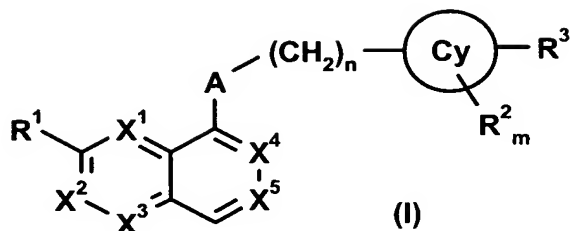


# CLAIMS

1. Compounds of formula (I):



wherein

A is an oxygen or a sulphur atom, a NH, an alkylene, an alkenylene, an alkynylene or a heteroalkylene group,

X<sup>1</sup>, X<sup>2</sup>, X<sup>3</sup>, X<sup>4</sup> and X<sup>5</sup> are each independently of the others nitrogen atoms or groups of formula CH or CR<sup>4</sup>,

Cy is a cycloalkylene, a heterocycloalkylene, an arylene or a heteroarylene group,

R<sup>1</sup> is a hydrogen atom, a halogen atom, a hydroxy, an amino, a mercapto, an alkyl, a heteroalkyl, an alkyloxy, a heteroalkyloxy, a cycloalkyl, a heterocycloalkyl, an alkylcycloalkyl, a heteroalkylcycloalkyl, a cycloalkyloxy, an alkylcycloalkyloxy, a heterocycloalkyloxy or a heteroalkylcycloalkyloxy group,

the radicals R<sup>2</sup>, each independently of any other(s), are a halogen atom, a hydroxy, an amino, a nitro or a mercapto group, an alkyl, an alkenyl, an alkynyl, a heteroalkyl, an aryl, a heteroaryl, a cycloalkyl,

an alkylcycloalkyl, a heteroalkylcycloalkyl, a heterocycloalkyl, an aralkyl or a heteroaralkyl radical, or two of the radicals  $R^2$  together form part of an aryl, heteroaryl, cycloalkyl, heterocycloalkyl, alkylcycloalkyl, heteroalkylcycloalkyl, aralkyl or a heteroaralkyl ring system,

$R^3$  is an alkyl, alkenyl, alkynyl, heteroalkyl, aryl, heteroaryl, cycloalkyl, alkylcycloalkyl, heteroalkylcycloalkyl, heterocycloalkyl, aralkyl or heteroaralkyl radical,

$R^4$  is a halogen atom, or a hydroxy, alkyl, alkenyl, alkynyl or heteroalkyl group,

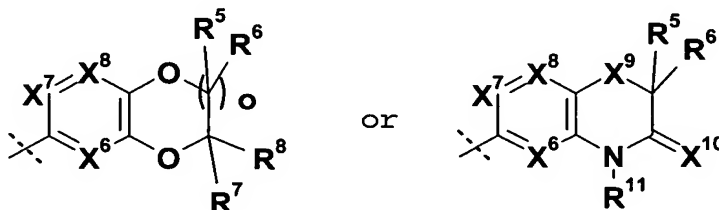
n is 0, 1 or 2, and

m is 0, 1 or 2,

or a pharmacologically acceptable salt, solvate, hydrate or a pharmacologically acceptable formulation thereof.

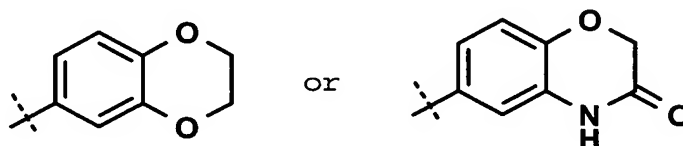
2. Compounds according to claim 1, wherein A is an oxygen or a sulphur atom or a group of formula  $CH_2$ ,  $CH_2CH_2$ ,  $CH_2N(C_1-C_4-Alkyl)$ ,  $N(C_1-C_4-Alkyl)CH_2$ ,  $CH_2O$ ,  $OCH_2$ ,  $CH_2S$ ,  $SCH_2$ ,  $CH_2CH(OH)$ ,  $CH(OH)$ ,  $CH(OH)CH_2$ ,  $NHCO$ ,  $CONH$ ,  $C(=O)CH_2$  or  $CH_2C(=O)$ .
3. Compounds according to claim 1 or 2, wherein three, four or five of the groups  $X^1$ ,  $X^2$ ,  $X^3$ ,  $X^4$  and  $X^5$  are CH groups.

4. Compounds according to any one of claims 1 to 3, wherein  $R^1$  is a  $C_1$ - $C_4$ alkyloxy or a  $C_1$ - $C_4$ heteroalkyloxy group, wherein one or more hydrogen atoms of such groups may have been replaced by fluorine atoms.
5. Compounds according to any one of claims 1 to 3, wherein  $R^1$  is a methoxy group.
6. Compounds according to any one of claims 1 to 5, wherein  $R^2$  is a hydroxy, a  $C_1$ - $C_4$ alkyl, a  $C_1$ - $C_4$ heteroalkyl or a  $C_6$ - $C_{12}$ heteroaralkyl group.
7. Compounds according to any one of claims 1 to 6, wherein  $R^3$  is a heteroalkylcycloalkyl or a heteroaralkyl group.
8. Compounds according to any one of claims 1 to 6, wherein  $R^3$  is a group of formula  $-B-Y$ , wherein B is an alkylene, an alkenylene, an alkynylene or a heteroalkylene group and Y is an aryl, a heteroaryl, an aralkyl, a heteroaralkyl, a cycloalkyl, a heterocycloalkyl, an alkylcycloalkyl or a heteroalkylcycloalkyl group.
9. Compounds according to claim 8, wherein Y has one of the following structures,



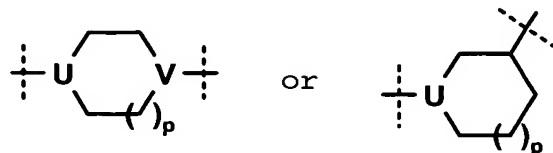
wherein  $X^6$ ,  $X^7$  and  $X^8$  are each independently of the others nitrogen atoms or groups of formula  $CR^9$ ,  $X^9$  and  $X^{10}$  are each independently of the others oxygen or sulphur atoms or groups of formula  $NR^{10}$ ,  $\alpha$  is 0, 1 or 2,  $R^5$ ,  $R^6$ ,  $R^7$ ,  $R^8$  and  $R^9$  are each independently of the others hydrogen atoms, halogen atoms, hydroxy, alkyl, alkenyl, alkynyl or heteroalkyl groups and  $R^{10}$  and  $R^{11}$  are each independently of the others hydrogen atoms, alkyl, alkenyl, alkynyl or heteroalkyl groups.

10. Compounds according to claim 8, wherein Y has one of the following structures:



11. Compounds according to any one of claims 1 to 10, wherein the linker  $-A-(CH_2)_n-$  has a chain length of 2 or 3 atoms.
12. Compounds according to any one of claims 1 to 11, wherein  $R^4$  is a fluorine or a chlorine atom or a  $C_1$ - $C_4$ alkyloxy or a  $C_3$ - $C_6$ dialkylaminomethyl group wherein one or more hydrogen atoms of such groups may have been replaced by fluorine atoms.
13. Compounds according to any one of claims 1 to 12, wherein Cy is a cycloalkylene or a heterocycloalkylene group containing one or two rings and 4, 5, 6, 7, 8, 9 or 10 ring atoms.

14. Compounds according to any one of claims 1 to 12, wherein Cy has one of the following structures:



wherein U is a nitrogen atom or a group of formulas CH or COH and V is a nitrogen atom or a CH group and p is 0 or 1.

15. Pharmaceutical compositions that comprise a compound according to any one of claims 1 to 14 as active ingredient and, optionally, carrier substances and/or adjuvants.
16. Use of a compound or of a pharmaceutical composition according to any one of claims 1 to 15 in the treatment of bacterial infections.